

Converting Colors

$Yxy(42.9141, 0.2321, 0.3538)$

Have a look what the booklet for
Yxy(42.9141, 0.2321, 0.3538)
contains.

Yxy(42.8203, 0.2322, 0.3543)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.8203, 0.2322, 0.3543)

Conversions

Conversions Part 1

Format	Color
Hex	07C4B4
RGB	7, 196, 180
RGB Percent	3%, 77%, 71%
CMY	0.9740, 0.2313, 0.2940
CMYK	0.97, 0.00, 0.08, 0.23
HSL	175°, 93%, 40%
HSV	175°, 97%, 77%
XYZ	28.0634, 42.8203, 49.9751
YIQ	137.6650, -107.5080, -45.0440

Conversions

Conversions Part 2

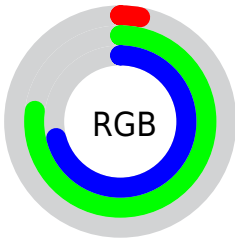
Format	Color
RYB	7, 106, 196
Decimal	509108
CIELab	71.43, -43.92, -3.53
CIElCh	71, 44.063, 184.593
Yxy	42.8203, 0.2322, 0.3543
Android (android.graphics.Color)	4278699188 (0xFF07C4B4)
YUV	137.6650, 20.8712, -114.5932
Hunter-Lab	65.4372, -37.9636, 0.5256

Details

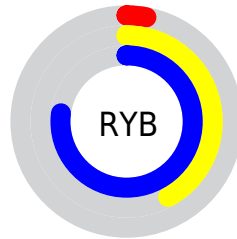
The Yxy color **42.8203, 0.2322, 0.3543** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.9411, 0.6245, 0.3244**, and the grayscale version is **25.1898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2497, 0.2467, 0.3492**, and **20.5821, 0.2331, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **42.7563, 0.2320, 0.3553**, and if you desaturate by 10%, it is **43.0697, 0.2333, 0.3515**.

Distribution



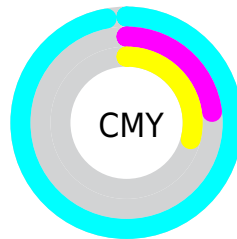
- Red (3%)
- Green (77%)
- Blue (71%)



- Red (3%)
- Yellow (42%)
- Blue (77%)



- Cyan (97%)
- Magenta (0%)
- Yellow (8%)
- Black (23%)




- Cyan (97%)
- Magenta (23%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8203, 0.2322, 0.3543 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 42.8203, 0.2322, 0.3543 by changing the saturation by 10% instead.

 42.8203, 0.2322,
0.3543


 42.8203, 0.2322,
0.3543


357.8722, 0.2723,
0.3421

 29.7441, 0.2223,
0.3572


 79.4396, 0.2467,
0.3500


 19.6445, 0.2097,
0.3607


 103.7516, 0.2522,
0.3484


 12.1369, 0.1932,
0.3652


 132.5776, 0.2568,
0.3469

 6.8370, 0.1707,
0.3709

 166.3020, 0.2608,
0.3457

 3.3603, 0.1386,
0.3783

 205.3093, 0.2642,
0.3446

 1.3226, 0.0404,
0.4082

249.9839, 0.2673,

 0.1586, 0.0000,

0.3437

0.2744

300.7100, 0.2699,
0.3429

■ 0.0000, 0.0000,
0.0000

■ 42.8203, 0.2322,
0.3543

■ 42.8203, 0.2322,
0.3543

■ 42.7563, 0.2320,
0.3553

■ 43.0697, 0.2333,
0.3515

■ 43.4927, 0.2360,
0.3486

■ 44.1239, 0.2406,
0.3458

■ 44.9885, 0.2471,
0.3429

■ 46.1080, 0.2555,
0.3401

■ 47.5014, 0.2655,
0.3375

■ 49.1861, 0.2770,
0.3349

■ 51.1779, 0.2897,
0.3325

■ 53.4916, 0.3034,
0.3303

Harmonies

Analogous

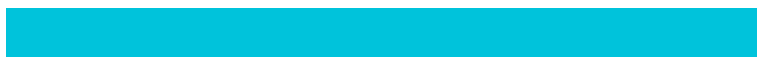
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.8203, 0.2823, 0.4152



42.8203, 0.2322, 0.3543



42.8203, 0.2047, 0.2918

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.8203, 0.2322, 0.3543



42.8203, 0.2724, 0.2363



42.8203, 0.4343, 0.3945

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.8203, 0.2322, 0.3543



11.9411, 0.6245, 0.3244

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.8203, 0.4342, 0.3468



42.8203, 0.2322, 0.3543



42.8203, 0.3348, 0.2607

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.8203, 0.2322, 0.3543



42.8203, 0.2261, 0.2314



42.8203, 0.3965, 0.2997



42.8203, 0.3998, 0.4326

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.8203, 0.2322, 0.3543



42.8203, 0.2007, 0.2606



42.8203, 0.3965, 0.2997



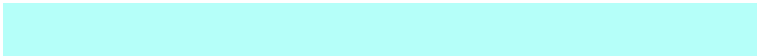
42.8203, 0.4385, 0.3790

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.8219, 0.2322, 0.3543



88.1742, 0.2736, 0.3356



39.7116, 0.3028, 0.5954



18.5900, 0.2686, 0.3367



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.8219, 0.2322, 0.3543



77.4301, 0.2321, 0.3557



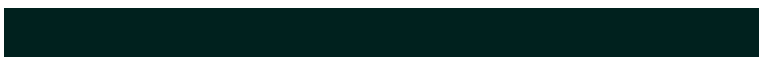
17.5238, 0.1886, 0.1968



11.4133, 0.2995, 0.3309



27.4769, 0.2319, 0.3549



1.1916, 0.2302, 0.3485

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.9411, 0.6245, 0.3244



21.3161, 0.6331, 0.3261



17.8439, 0.5624, 0.3882



10.0914, 0.3276, 0.3271



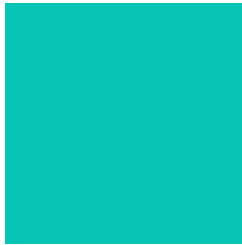
7.5713, 0.6294, 0.3241



0.3319, 0.5941, 0.3046

Previews

White Background



This preview shows how the Yxy color 42.8203, 0.2322, 0.3543 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 42.8203, 0.2322, 0.3543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

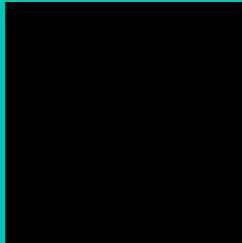
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

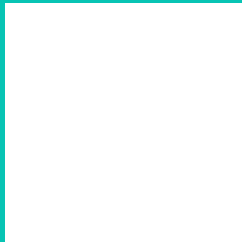
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8203, 0.2322, 0.3543

Background



This preview shows how black text looks on a background with the Yxy color 42.8203, 0.2322, 0.3543.

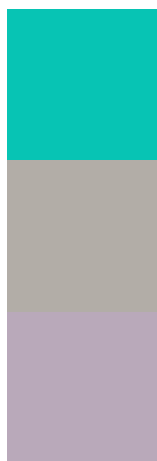


This preview shows how white text looks on a background with the Yxy color 42.8203, 0.2322, 0.3543.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.8203, 0.2322, 0.3543

Protanopia

42.1421, 0.3223, 0.3372

Deuteranopia

42.2354, 0.3129, 0.3069



Tritanopia

42.8817, 0.2237, 0.3049

Trichromacy



Original Color

42.8203, 0.2322, 0.3543



Protanomaly

39.7393, 0.2688, 0.3427



Deuteranomaly

39.6940, 0.2633, 0.3214



Tritanomaly

42.5405, 0.2256, 0.3211

Monochromacy



Original Color

42.8203, 0.2322, 0.3543



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.2698, 0.2593, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8203, 0.2322, 0.3543 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(7, 196, 180)` looks like.

```
.text, #text, p{  
    color:rgb(7, 196, 180)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(7, 196, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 196, 180) }
```

Border

The CSS property to change the border of an element to Yxy 42.8203, 0.2322, 0.3543 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(7, 196, 180) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(7, 196, 180) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(7, 196, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 196, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 196, 180);  
box-shadow:4px 4px 4px 4px rgb(7, 196,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8203, 0.2322, 0.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 196, 180) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(7, 196,  
180) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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